TABLE 1

Survey of Doctorate Recipients participant characteristics: 2017

(Number and percent)

Characteristic         Frequency         %         Frequency         %           Gender         50,409         58.8         730,933         66.3           Female         35,311         41.2         371,897         33.7           Physical disability         77,191         90.0         991,362         89.9           Yes         8,529         10.0         111,468         10.1           Race or ethnicity         21.3         282,390         25.6           Black         4,695         5.5         37,176         3.4           Hispanic         7,142         8.3         53,334         4.8           White         53,685         62.6         713,598         64.7           Other         1,939         2.3         16,331         1.5           Age		Sample		Population	
Male         50,409         58.8         730,933         66.3           Female         35,311         41.2         371,897         33.7           Physical disability         77,191         90.0         991,362         89.9           Yes         8,529         10.0         111,468         10.1           Race or ethnicity         35.3         21.3         282,390         25.6           Black         4,695         5.5         37,176         3.4           Hispanic         7,142         8.3         53,334         4.8           White         53,685         62.6         713,598         64.7           Other         1,939         2.3         16,331         1.5           Age         Under 30         858         1.0         8,891         0.8           30-39         21,694         25.3         233,737         21.2           40-49         20,750         24.2         259,631         23.5           50-59         18,553         21.6         250,586         22.7           60-69         16,421         19.2         234,986         21.3           Over 70         7,444         8.7         114,999         10.4	Characteristic	Frequency	%	Frequency	%
Female         35,311         41.2         371,897         33.7           Physical disability            89.9           Yes         8,529         10.0         111,468         10.1           Race or ethnicity               Asian         18,259         21.3         282,390         25.6           Black         4,695         5.5         37,176         3.4           Hispanic         7,142         8.3         53,334         4.8           White         53,685         62.6         713,598         64.7           Other         1,939         2.3         16,331         1.5           Age            8,891         0.8           30-39         21,694         25.3         233,737         21.2         40-49         20,750         24.2         259,631         23.5           50-59         18,553         21.6         250,586         22.7         60-69         16,421         19.2         234,986         21.3           Over 70         7,444         8.7         114,999         10.4           *8-17 (2000-09)	Gender				
Physical disability   No	Male	50,409	58.8	730,933	66.3
No         77,191         90.0         991,362         89.9           Yes         8,529         10.0         111,468         10.1           Race or ethnicity              Asian         18,259         21.3         282,390         25.6           Black         4,695         5.5         37,176         3.4           Hispanic         7,142         8.3         53,334         4.8           White         53,685         62.6         713,598         64.7           Other         1,939         2.3         16,331         1.5           Age           8891         0.8           Under 30         858         1.0         8,891         0.8           30-39         21,694         25.3         233,737         21.2           40-49         20,750         24.2         259,631         23.5           50-59         18,553         21.6         250,586         22.7           60-69         16,421         19.2         234,986         21.3           Over 70         7,444         8.7         114,999         10.4           Years since first PhD         2	Female	35,311	41.2	371,897	33.7
No         77,191         90.0         991,362         89.9           Yes         8,529         10.0         111,468         10.1           Race or ethnicity              Asian         18,259         21.3         282,390         25.6           Black         4,695         5.5         37,176         3.4           Hispanic         7,142         8.3         53,334         4.8           White         53,685         62.6         713,598         64.7           Other         1,939         2.3         16,331         1.5           Age           8891         0.8           Under 30         858         1.0         8,891         0.8           30-39         21,694         25.3         233,737         21.2           40-49         20,750         24.2         259,631         23.5           50-59         18,553         21.6         250,586         22.7           60-69         16,421         19.2         234,986         21.3           Over 70         7,444         8.7         114,999         10.4           Years since first PhD         2	Physical disability				
Yes       8,529       10.0       111,468       10.1         Race or ethnicity	-	77,191	90.0	991,362	89.9
Asian       18,259       21.3       282,390       25.6         Black       4,695       5.5       37,176       3.4         Hispanic       7,142       8.3       53,334       4.8         White       53,685       62.6       713,598       64.7         Other       1,939       2.3       16,331       1.5         Age       Under 30       858       1.0       8,891       0.8         30-39       21,694       25.3       233,737       21.2         40-49       20,750       24.2       259,631       23.5         50-59       18,553       21.6       250,586       22.7         60-69       16,421       19.2       234,986       21.3         Over 70       7,444       8.7       114,999       10.4         Years since first PhD       21,416       25.0       211,430       19.2         8-17 (2000-09)       24,337       28.4       303,699       27.5         18-27 (1990-99)       18,708       21.8       264,757       24.0         28-37 (1980-89)       12,314       14.4       183,607       16.6         38-47 (1970-79)       8,203       9.6       128,03	Yes		10.0		10.1
Black         4,695         5.5         37,176         3.4           Hispanic         7,142         8.3         53,334         4.8           White         53,685         62.6         713,598         64.7           Other         1,939         2.3         16,331         1.5           Age               Under 30         858         1.0         8,891         0.8           30-39         21,694         25.3         233,737         21.2           40-49         20,750         24.2         259,631         23.5           50-59         18,553         21.6         250,586         22.7           60-69         16,421         19.2         234,986         21.3           Over 70         7,444         8.7         114,999         10.4           Years since first PhD         21,416         25.0         211,430         19.2           8-17 (2000-09)         24,337         28.4         303,699         27.5           18-27 (1990-99)         18,708         21.8         264,757         24.0           28-37 (1980-89)         12,314         14.4         183,607         16.6 <td>Race or ethnicity</td> <td></td> <td></td> <td></td> <td></td>	Race or ethnicity				
Black         4,695         5.5         37,176         3.4           Hispanic         7,142         8.3         53,334         4.8           White         53,685         62.6         713,598         64.7           Other         1,939         2.3         16,331         1.5           Age               Under 30         858         1.0         8,891         0.8           30-39         21,694         25.3         233,737         21.2           40-49         20,750         24.2         259,631         23.5           50-59         18,553         21.6         250,586         22.7           60-69         16,421         19.2         234,986         21.3           Over 70         7,444         8.7         114,999         10.4           Years since first PhD         21,416         25.0         211,430         19.2           8-17 (2000-09)         24,337         28.4         303,699         27.5           18-27 (1990-99)         18,708         21.8         264,757         24.0           28-37 (1980-89)         12,314         14.4         183,607         16.6 <td>-</td> <td>18,259</td> <td>21.3</td> <td>282,390</td> <td>25.6</td>	-	18,259	21.3	282,390	25.6
White         53,685         62.6         713,598         64.7           Other         1,939         2.3         16,331         1.5           Age         Under 30         858         1.0         8,891         0.8           30-39         21,694         25.3         233,737         21.2           40-49         20,750         24.2         259,631         23.5           50-59         18,553         21.6         250,586         22.7           60-69         16,421         19.2         234,986         21.3           Over 70         7,444         8.7         114,999         10.4           Years since first PhD         21,416         25.0         211,430         19.2           8-17 (2000-09)         24,337         28.4         303,699         27.5           18-27 (1990-99)         18,708         21.8         264,757         24.0           28-37 (1980-89)         12,314         14.4         183,607         16.6           38-47 (1970-79)         8,203         9.6         128,039         11.6           Science         66,494         77.6         832,477         75.5           Engineering         15,032         17.5	Black	4,695	5.5		3.4
Other         1,939         2.3         16,331         1.5           Age         Under 30         858         1.0         8,891         0.8           30-39         21,694         25.3         233,737         21.2           40-49         20,750         24.2         259,631         23.5           50-59         18,553         21.6         250,586         22.7           60-69         16,421         19.2         234,986         21.3           Over 70         7,444         8.7         114,999         10.4           Years since first PhD         21,416         25.0         211,430         19.2           8-17 (2000-09)         24,337         28.4         303,699         27.5           18-27 (1990-99)         18,708         21.8         264,757         24.0           28-37 (1980-89)         12,314         14.4         183,607         16.6           38-47 (1970-79)         8,203         9.6         128,039         11.6           > 47 (prior to 1970)         742         0.9         11,297         1.0           Degree focus         15,032         17.5         221,447         20.1           Health         4,194         4.9<	Hispanic	7,142	8.3	53,334	4.8
Age       Under 30       858       1.0       8,891       0.8         30-39       21,694       25.3       233,737       21.2         40-49       20,750       24.2       259,631       23.5         50-59       18,553       21.6       250,586       22.7         60-69       16,421       19.2       234,986       21.3         Over 70       7,444       8.7       114,999       10.4         Years since first PhD       21,416       25.0       211,430       19.2         8-17 (2000-09)       24,337       28.4       303,699       27.5         18-27 (1990-99)       18,708       21.8       264,757       24.0         28-37 (1980-89)       12,314       14.4       183,607       16.6         38-47 (1970-79)       8,203       9.6       128,039       11.6         36-47 (prior to 1970)       742       0.9       11,297       1.0         Degree focus       5       221,447       20.1         Health       4,194       4.9       48,906       4.4         Living in the United States       74,245       86.6       967,133       87.7         Yes       74,245       86.8	White	53,685	62.6	713,598	64.7
Under 30         858         1.0         8,891         0.8           30-39         21,694         25.3         233,737         21.2           40-49         20,750         24.2         259,631         23.5           50-59         18,553         21.6         250,586         22.7           60-69         16,421         19.2         234,986         21.3           Over 70         7,444         8.7         114,999         10.4           Years since first PhD         21,416         25.0         211,430         19.2           8-17 (2000-09)         24,337         28.4         303,699         27.5           18-27 (1990-99)         18,708         21.8         264,757         24.0           28-37 (1980-89)         12,314         14.4         183,607         16.6           38-47 (1970-79)         8,203         9.6         128,039         11.6           > 47 (prior to 1970)         742         0.9         11,297         1.0           Degree focus         5         21,447         20.1         44,94         49,94         48,906         4.4           Living in the United States         No         11,475         13.4         135,697         12.3	Other	1,939	2.3	16,331	1.5
30-39       21,694       25.3       233,737       21.2         40-49       20,750       24.2       259,631       23.5         50-59       18,553       21.6       250,586       22.7         60-69       16,421       19.2       234,986       21.3         Over 70       7,444       8.7       114,999       10.4         Years since first PhD       21,416       25.0       211,430       19.2         8-17 (2000-09)       24,337       28.4       303,699       27.5         18-27 (1990-99)       18,708       21.8       264,757       24.0         28-37 (1980-89)       12,314       14.4       183,607       16.6         38-47 (1970-79)       8,203       9.6       128,039       11.6         > 47 (prior to 1970)       742       0.9       11,297       1.0         Degree focus       21,417       20.9       11,297       1.0         Engineering       15,032       17.5       221,447       20.1         Health       4,194       4.9       48,906       4.4         Living in the United States       11,475       13.4       135,697       12.3         Yes       74,245       86.6 <td>Age</td> <td></td> <td></td> <td></td> <td></td>	Age				
40-49       20,750       24.2       259,631       23.5         50-59       18,553       21.6       250,586       22.7         60-69       16,421       19.2       234,986       21.3         Over 70       7,444       8.7       114,999       10.4         Years since first PhD       21,416       25.0       211,430       19.2         8-17 (2000-09)       24,337       28.4       303,699       27.5         18-27 (1990-99)       18,708       21.8       264,757       24.0         28-37 (1980-89)       12,314       14.4       183,607       16.6         38-47 (1970-79)       8,203       9.6       128,039       11.6         > 47 (prior to 1970)       742       0.9       11,297       1.0         Degree focus       25.0       832,477       75.5       25.0       21,447       20.1         Health       4,194       4.9       48,906       4.4         Living in the United States       11,475       13.4       135,697       12.3         Yes       74,245       86.6       967,133       87.7         Workforce status       25.0       11.4       145,593       13.2         Emplo	Under 30	858	1.0	8,891	0.8
50-59       18,553       21.6       250,586       22.7         60-69       16,421       19.2       234,986       21.3         Over 70       7,444       8.7       114,999       10.4         Years since first PhD	30-39	21,694	25.3	233,737	21.2
60-69         16,421         19.2         234,986         21.3           Over 70         7,444         8.7         114,999         10.4           Years since first PhD         -7 (2010 or later)         21,416         25.0         211,430         19.2           8-17 (2000-09)         24,337         28.4         303,699         27.5           18-27 (1990-99)         18,708         21.8         264,757         24.0           28-37 (1980-89)         12,314         14.4         183,607         16.6           38-47 (1970-79)         8,203         9.6         128,039         11.6           > 47 (prior to 1970)         742         0.9         11,297         1.0           Degree focus         5         221,447         20.1         1.0           Science         66,494         77.6         832,477         75.5         25           Engineering         15,032         17.5         221,447         20.1           Health         4,194         4.9         48,906         4.4           Living in the United States         74,245         86.6         967,133         87.7           Workforce status         8         938,248         85.1           Une	40-49	20,750	24.2	259,631	23.5
Over 70         7,444         8.7         114,999         10.4           Years since first PhD         21,416         25.0         211,430         19.2           8-17 (2000-09)         24,337         28.4         303,699         27.5           18-27 (1990-99)         18,708         21.8         264,757         24.0           28-37 (1980-89)         12,314         14.4         183,607         16.6           38-47 (1970-79)         8,203         9.6         128,039         11.6           > 47 (prior to 1970)         742         0.9         11,297         1.0           Degree focus         5         832,477         75.5           Engineering         15,032         17.5         221,447         20.1           Health         4,194         4.9         48,906         4.4           Living in the United States         11,475         13.4         135,697         12.3           Yes         74,245         86.6         967,133         87.7           Workforce status         2         86.8         938,248         85.1           Unemployed         1,511         1.8         18,989         1.7           Not in the workforce         9,780	50-59	18,553	21.6	250,586	22.7
Years since first PhD         21,416         25.0         211,430         19.2           8-17 (2000-09)         24,337         28.4         303,699         27.5           18-27 (1990-99)         18,708         21.8         264,757         24.0           28-37 (1980-89)         12,314         14.4         183,607         16.6           38-47 (1970-79)         8,203         9.6         128,039         11.6           > 47 (prior to 1970)         742         0.9         11,297         1.0           Degree focus         5         221,447         20.1         1.0           Science         66,494         77.6         832,477         75.5           Engineering         15,032         17.5         221,447         20.1           Health         4,194         4.9         48,906         4.4           Living in the United States         74,245         86.6         967,133         87.7           Workforce status         86.8         938,248         85.1           Unemployed         74,429         86.8         938,248         85.1           Unemployed         1,511         1.8         18,989         1.7           Not in the workforce         9,780	60-69	16,421	19.2	234,986	21.3
< 7 (2010 or later)	Over 70	7,444	8.7	114,999	10.4
8-17 (2000-09)       24,337       28.4       303,699       27.5         18-27 (1990-99)       18,708       21.8       264,757       24.0         28-37 (1980-89)       12,314       14.4       183,607       16.6         38-47 (1970-79)       8,203       9.6       128,039       11.6         > 47 (prior to 1970)       742       0.9       11,297       1.0         Degree focus       Science       66,494       77.6       832,477       75.5         Engineering       15,032       17.5       221,447       20.1         Health       4,194       4.9       48,906       4.4         Living in the United States       No       11,475       13.4       135,697       12.3         Yes       74,245       86.6       967,133       87.7         Workforce status       Employed       74,429       86.8       938,248       85.1         Unemployed       1,511       1.8       18,989       1.7         Not in the workforce       9,780       11.4       145,593       13.2         Employment sector       2       49.3       428,638       45.7         Government       8,184       11.0 <td>Years since first PhD</td> <td></td> <td></td> <td></td> <td></td>	Years since first PhD				
18-27 (1990-99)       18,708       21.8       264,757       24.0         28-37 (1980-89)       12,314       14.4       183,607       16.6         38-47 (1970-79)       8,203       9.6       128,039       11.6         > 47 (prior to 1970)       742       0.9       11,297       1.0         Degree focus       Science       66,494       77.6       832,477       75.5         Engineering       15,032       17.5       221,447       20.1         Health       4,194       4.9       48,906       4.4         Living in the United States       No       11,475       13.4       135,697       12.3         Yes       74,245       86.6       967,133       87.7         Workforce status       Employed       74,429       86.8       938,248       85.1         Unemployed       1,511       1.8       18,989       1.7         Not in the workforce       9,780       11.4       145,593       13.2         Employment sector       2       49.3       428,638       45.7         Government       8,184       11.0       88,253       9.4	< 7 (2010 or later)	21,416	25.0	211,430	19.2
28-37 (1980-89)       12,314       14.4       183,607       16.6         38-47 (1970-79)       8,203       9.6       128,039       11.6         > 47 (prior to 1970)       742       0.9       11,297       1.0         Degree focus       Science       66,494       77.6       832,477       75.5         Engineering       15,032       17.5       221,447       20.1         Health       4,194       4.9       48,906       4.4         Living in the United States       No       11,475       13.4       135,697       12.3         Yes       74,245       86.6       967,133       87.7         Workforce status       Employed       74,429       86.8       938,248       85.1         Unemployed       1,511       1.8       18,989       1.7         Not in the workforce       9,780       11.4       145,593       13.2         Employment sector       2       428,638       45.7         Government       8,184       11.0       88,253       9.4	8-17 (2000-09)	24,337	28.4	303,699	27.5
38-47 (1970-79)       8,203       9,6       128,039       11.6         > 47 (prior to 1970)       742       0.9       11,297       1.0         Degree focus       Science       66,494       77.6       832,477       75.5         Engineering       15,032       17.5       221,447       20.1         Health       4,194       4.9       48,906       4.4         Living in the United States       No       11,475       13.4       135,697       12.3         Yes       74,245       86.6       967,133       87.7         Workforce status       Employed       74,429       86.8       938,248       85.1         Unemployed       1,511       1.8       18,989       1.7         Not in the workforce       9,780       11.4       145,593       13.2         Employment sector       Education       36,677       49.3       428,638       45.7         Government       8,184       11.0       88,253       9.4	18-27 (1990-99)	18,708	21.8	264,757	24.0
> 47 (prior to 1970)       742       0.9       11,297       1.0         Degree focus       66,494       77.6       832,477       75.5         Engineering       15,032       17.5       221,447       20.1         Health       4,194       4.9       48,906       4.4         Living in the United States       Ves       74,245       86.6       967,133       87.7         Workforce status       Ves       74,429       86.8       938,248       85.1         Unemployed       1,511       1.8       18,989       1.7         Not in the workforce       9,780       11.4       145,593       13.2         Employment sector       Education       36,677       49.3       428,638       45.7         Government       8,184       11.0       88,253       9.4	28-37 (1980-89)	12,314	14.4	183,607	16.6
Degree focus         66,494         77.6         832,477         75.5           Engineering         15,032         17.5         221,447         20.1           Health         4,194         4.9         48,906         4.4           Living in the United States              No         11,475         13.4         135,697         12.3           Yes         74,245         86.6         967,133         87.7           Workforce status              Employed         74,429         86.8         938,248         85.1           Unemployed         1,511         1.8         18,989         1.7           Not in the workforce         9,780         11.4         145,593         13.2           Employment sector           428,638         45.7           Government         8,184         11.0         88,253         9.4	38-47 (1970-79)	8,203	9.6	128,039	11.6
Science         66,494         77.6         832,477         75.5           Engineering         15,032         17.5         221,447         20.1           Health         4,194         4.9         48,906         4.4           Living in the United States         74,245         13.4         135,697         12.3           Yes         74,245         86.6         967,133         87.7           Workforce status         86.8         938,248         85.1           Unemployed         1,511         1.8         18,989         1.7           Not in the workforce         9,780         11.4         145,593         13.2           Employment sector         Education         36,677         49.3         428,638         45.7           Government         8,184         11.0         88,253         9.4	> 47 (prior to 1970)	742	0.9	11,297	1.0
Engineering       15,032       17.5       221,447       20.1         Health       4,194       4.9       48,906       4.4         Living in the United States             No       11,475       13.4       135,697       12.3         Yes       74,245       86.6       967,133       87.7         Workforce status            Employed       74,429       86.8       938,248       85.1         Unemployed       1,511       1.8       18,989       1.7         Not in the workforce       9,780       11.4       145,593       13.2         Employment sector          428,638       45.7         Government       8,184       11.0       88,253       9.4	Degree focus				
Health       4,194       4.9       48,906       4.4         Living in the United States       11,475       13.4       135,697       12.3         Yes       74,245       86.6       967,133       87.7         Workforce status       Employed       74,429       86.8       938,248       85.1         Unemployed       1,511       1.8       18,989       1.7         Not in the workforce       9,780       11.4       145,593       13.2         Employment sector       Education       36,677       49.3       428,638       45.7         Government       8,184       11.0       88,253       9.4	Science	66,494	77.6	832,477	75.5
Living in the United States       United States       United States         No       11,475       13.4       135,697       12.3         Yes       74,245       86.6       967,133       87.7         Workforce status       Femployed       74,429       86.8       938,248       85.1         Unemployed       1,511       1.8       18,989       1.7         Not in the workforce       9,780       11.4       145,593       13.2         Employment sector       Education       36,677       49.3       428,638       45.7         Government       8,184       11.0       88,253       9.4	Engineering	15,032	17.5	221,447	20.1
No         11,475         13.4         135,697         12.3           Yes         74,245         86.6         967,133         87.7           Workforce status         Employed         74,429         86.8         938,248         85.1           Unemployed         1,511         1.8         18,989         1.7           Not in the workforce         9,780         11.4         145,593         13.2           Employment sector         Education         36,677         49.3         428,638         45.7           Government         8,184         11.0         88,253         9.4	Health	4,194	4.9	48,906	4.4
Yes         74,245         86.6         967,133         87.7           Workforce status	Living in the United States				
Workforce status         74,429         86.8         938,248         85.1           Unemployed         1,511         1.8         18,989         1.7           Not in the workforce         9,780         11.4         145,593         13.2           Employment sector         Education         36,677         49.3         428,638         45.7           Government         8,184         11.0         88,253         9.4	No	11,475	13.4	135,697	12.3
Employed       74,429       86.8       938,248       85.1         Unemployed       1,511       1.8       18,989       1.7         Not in the workforce       9,780       11.4       145,593       13.2         Employment sector       Education       36,677       49.3       428,638       45.7         Government       8,184       11.0       88,253       9.4	Yes	74,245	86.6	967,133	87.7
Unemployed         1,511         1.8         18,989         1.7           Not in the workforce         9,780         11.4         145,593         13.2           Employment sector         Education         36,677         49.3         428,638         45.7           Government         8,184         11.0         88,253         9.4	Workforce status				
Not in the workforce         9,780         11.4         145,593         13.2           Employment sector         5         428,638         45.7           Education         36,677         49.3         428,638         45.7           Government         8,184         11.0         88,253         9.4	Employed	74,429	86.8	938,248	85.1
Employment sector         36,677         49.3         428,638         45.7           Government         8,184         11.0         88,253         9.4	Unemployed	1,511	1.8	18,989	1.7
Employment sector         36,677         49.3         428,638         45.7           Government         8,184         11.0         88,253         9.4	Not in the workforce	9,780	11.4	145,593	13.2
Education         36,677         49.3         428,638         45.7           Government         8,184         11.0         88,253         9.4	Employment sector				
Government 8,184 11.0 88,253 9.4	Education	36,677	49.3	428,638	45.7
Rusiness and industry 20 568 20 7 421 257 44 0	Government	8,184	11.0	88,253	9.4
25,000   35.7   421,337   44.9	Business and industry	29,568	39.7	421,357	44.9

## Note(s):

The population values presented here are provided for reference only because they are based on applying the sampling weights to the reduced sample used for the current project (*n* = 85,720) and therefore do not match the official values reported by the National Center for Science and Engineering Statistics. All participants who identified as Hispanic were included in the Hispanic category, and only in the Hispanic category, regardless of whether they also identified with one or more of the racial categories. The Other category included individuals who identified as multiracial.

## Source(s):

National Center for Science and Engineering Statistics, Survey of Doctorate Recipients, 2017.